This software walkthrough forms part of an academic research project in support of a Master of Science degree in Software Engineering at the University of Liverpool. The major aim of the research is to elicit feedback on a machine learning application that aims to classify Colombia climate data and provide decision support to environmental designers seeking to understand the spatial and temporal use of low-energy design strategies.

Your responses will be aggregated with other respondents and treated in strictest confidence. The software walkthrough will take approximately 45-60 minutes. The software walkthrough is structured – we are showing each participant the same material. There will be an opportunity at the end to address any topics we did not have a chance to discuss. The software walkthrough is CONFIDENTIAL; we will be taking notes; however, input will not be attributed to any individual. Your responses will be anonymously grouped with those of others. This information will be used to help evaluate the usefulness of the proposed software and determine further improvements and additional functionality.

Stakeholder Name:

Stakeholder Organization:

Stakeholder Role:

Walkthrough Date:

Walkthrough conducted by:

Introduction

What is your role in the organization?

How long have you been here?

Where did you work before this role?

Are you familiar with the concept of low-energy design strategies?

Are you familiar with the concept the psychrometric chart?

Do you use the psychrometric chart?

Are you familiar with the concept of unsupervised machine learning?

Are you familiar with the concept of clustering?

K-means

Bisecting k-means

The Bisecting k-means and k-means hybrid

i Carolina

I hope all is well in Santa Marta

I think I mentioned to you I was doing a Masters in Software Engineering. I am almost finished my dissertation which has investigated developing an application to classify Colombian climate (and potentially others)  and try to link low energy design with the resulting classification.

As part of the evaluation of this software I am conducting software walkthroughs with domain experts. Which is why I am contacting you, I believe your opinion would be valuable in providing a rigorous critique of the application.

What I am asking for is about 45mins of your time - I think we can do this via skype. It we really involve a presentation and and demonstration of some of the functionality of the software. With the aim of getting some feedback possible improvements and additional functionality.

I can't offer to pay you unfortunately, but I can offer some of my time in return, possibly in helping you use some of the visualisation tools refined in this project in your own work?

I would like to try and do this in the next 2 weeks. So if you are willing and have some time please let me know.

I attach an image of the results dashboard generated by the software.

Hola Juan Manuel

Hace tres semanas dije que quiero hablar contigo sobre un proyecto. Estoy haciendo una maestría en Software Engineering con The University of Liverpool. Ya casi terminé me tesis donde estoy desarrollando una aplicación por clasificación de clima Colombia con la meta a conectar estrategias de diseño con bajo energía con los resultados de la clasificación.

Como parte de la evaluación de este software, estoy realizando software walkthrough con expertos en el dominio de diseño ambiental. Es por eso por lo que estoy contactando, creo que tu opinión sería valiosa para proporcionar una crítica rigurosa de la aplicación.

Lo que estoy pidiendo es aproximadamente 45 minutos de su tiempo. Realmente involucramos una presentación y una demostración de algunas de las funciones del software. Con el objetivo de obtener alguna retroalimentación de posibles mejoras y funcionalidades adicionales.

Lamentablemente, no puedo ofrecerte un pago, pero ¿puedo ofrecer algo de mi tiempo a cambio, posiblemente ayudándole a usar algunas de las herramientas de visualización refinadas en este proyecto en su propio trabajo?

Me gustaría intentar hacer esto en las próximas 2 semanas. Así que si estás dispuesto y tienes algo de tiempo por favor házmelo saber.

Adjunto una imagen del panel de resultados generado por el software.